**CIS210 – Group Project Lab Two Worksheet**

**Entity Relationship Diagram (ERD)**

**Use this template to complete Group Project Lab Two, where you will initially place your thoughts and ideas on the design of the database into a list of table and field names and then put those items, as applicable, in the provided boxes.**

**Entities (Tables):**

**Clients**

**Investors**

**Lenders**

**Loans**

**Employees**

**Properties**

**Agents**

**Contractors**

**WorkOrders**

**OrderLine**

**Attributes (Columns):**

**Index ID**

**Name**

**Street**

**City**

**State**

**Zip**

**AssistanceName**

**AreaCode**

**PhoneNumber**

**DueDate**

**Date**

**Description**

**TaskType**

**CIS210/Database Management and SQL**

**Group Project Initial ERD, Lab Two**

*Entity*

Attribute

**Group Project Lab Two Entity Relationship Diagram**

*Lenders (2)*

LenderID (PK)

LenderOrganization

LenderAssitantName

LenderStreet

LenderCity

LenderState

LenderZip

LenderAreaCode

LenderPhoneNumber

*OrderLine (7)*

OrderID (FK) ContractorID (FK)

Description

Qty

ManHrs

QuotedPrice

PaidDate

*WorkOrders (6)*

OrderID (PK)

EmployeeID (FK) OrderDate

EstCompDate

EstPrice

*Contractors (5)*

ContractorID (PK)

ContractorName

ContractorStreet

ContractorCity

ContractorState

ContractorZip

ContractorAreaCode

ContractorPhoneNumber

ContractorSpecialty

ContractorLicense#

ContractortInsurance#

*Employees (1)*

EmployeeID (PK)

InvestorID (FK)

EmployeeName

EmployeeStreet

EmployeeCity

EmployeeState

EmployeeZip

EmployeeAreaCode

EmployeePhoneNumber

*Clients (9)*

ClientID (PK)

AgentID (FK)

ClientName

ClientStreet

ClientCity

ClientState

ClientZip

ClientAreaCode

PhoneNumber

ClientDOB

ClientType (Buy/Hold)

*Properties (10)*

PropertyID (PK)

ClientID (FK)

EmployeeID (FK) PropertyName

PropertyStreet

PropertyCity

PropertyState

PropertyZip

PropertyLead (MLS, Wholesale, Marketing)

PropertyClass (Low, Mid, High)

*Loans (3)*

LoanNum (PK)

LenderID (FK)

EmployeeID (FK)

LoanRepName

LoanAmount

LoanType LoanAppDate

LoanTerm

LoanCloseDate

LoanRate

LoanAmount

*Agents (8)*

AgentID (PK)

AgentName

AgentStreet

AgentCity

AgentState

AgentZip

AgentAreaCode

AgentPhoneNumber

AgentType

*Investors (4)*

InvestorID (PK)

InvestorName

InvestorStreet

InvestorCity

InvestorState

InvestorZip

InvestorAreaCode

InvestorPhoneNumber

CREATE TABLE Lenders

(LenderID TEXT (15) NOT NULL PRIMARY KEY,

LenderOrganization TEXT (25) NOT NULL,

LenderAssitantName TEXT (25) NOT NULL,

LenderStreet TEXT (35),

LenderCity TEXT (20),

LenderState TEXT (2),

LenderZip TEXT (10),

LenderAreaCode TEXT (5),

LenderPhoneNumber TEXT (8));

INSERT INTO Lenders VALUES

(‘123456’,’Synergy Mtg.’,’Ken’s Agency’,’1234 Appaloosa Street’,’Montrose’,’CO’,’85431’,’(514)’,’234-5678’,’John Doe’);

INSERT INTO Lenders VALUES

(‘123456’,’Synergy Mtg.’,’Ken’s Agency’,’1234 Appaloosa Street’,’Montrose’,’CO’,’85431’,’(514)’,’234-5678’,’John Doe’);

INSERT INTO Lenders VALUES

(‘123456’,’Synergy Mtg.’,’Ken’s Agency’,’1234 Appaloosa Street’,’Montrose’,’CO’,’85431’,’(514)’,’234-5678’,’John Doe’);

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